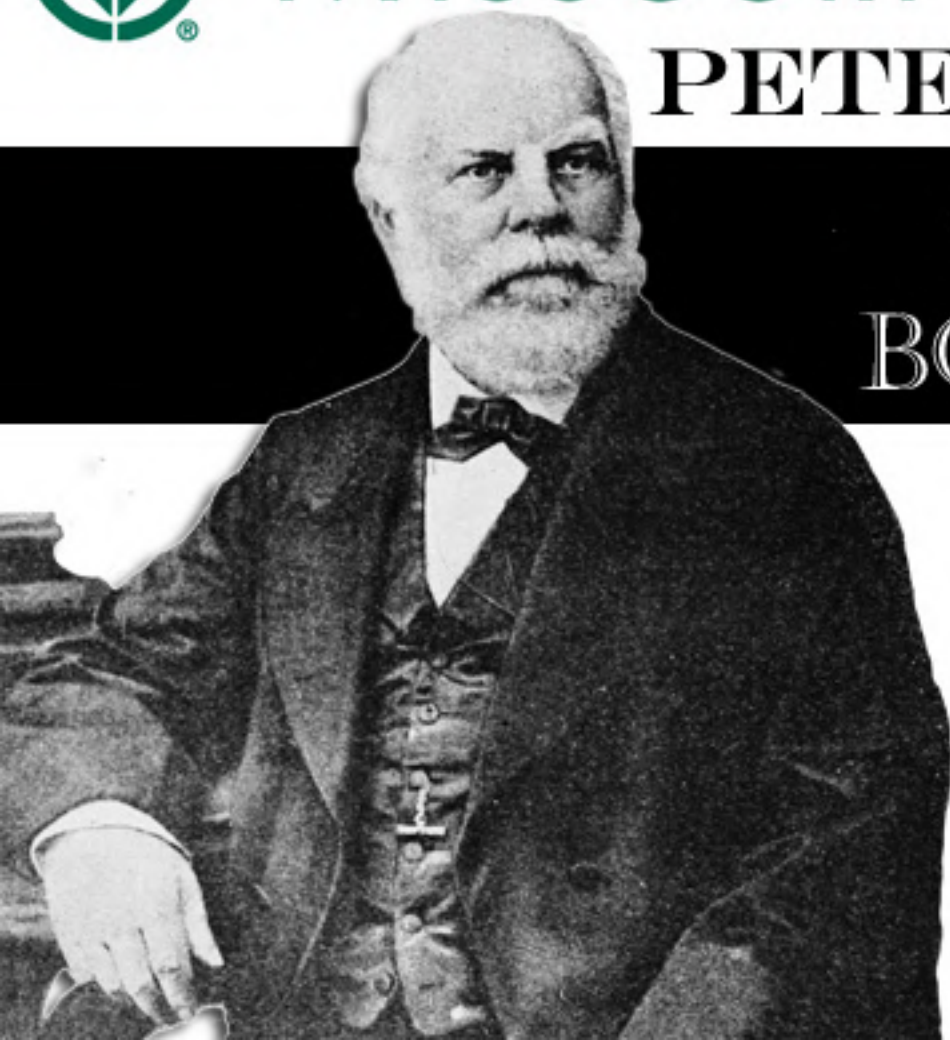


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GEORGE ENGELMANN
BOTANICAL NOTEBOOKS



Pagination Note:

Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Carya tomentosa
Honduras Valley, Mary Island

May 15 1875

x10



6 anthers



5 anthers

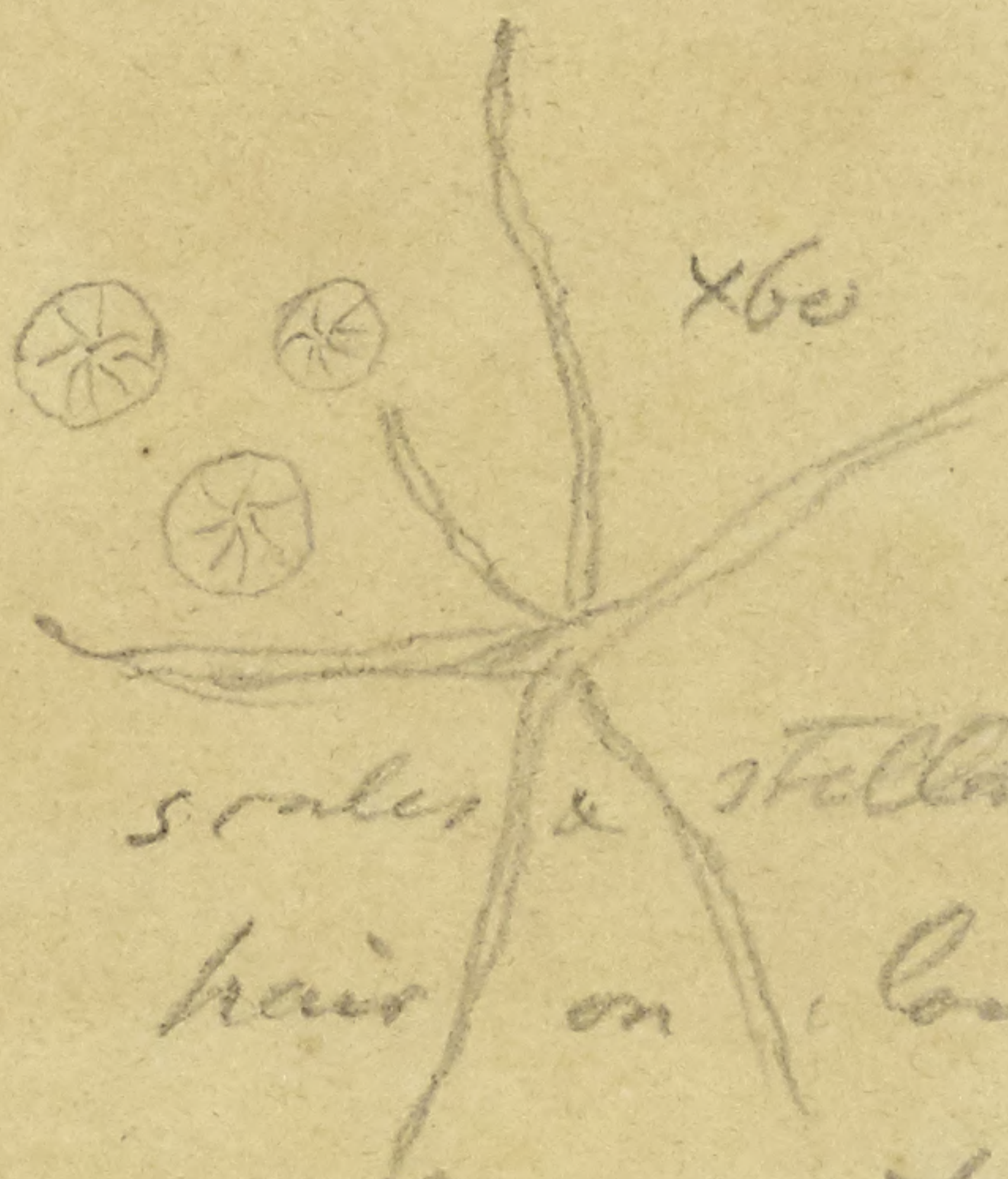
margin
of
leaf
x10

x60



scales of upper
side, very different
in size, many celled.

x60



scales & stellate
hair on lower side
scales uniform & small

Tooth x60

Tooth of
leaf

x60



0 1 2 3 4 5 6 7 8 9 10

cm copyright reserved



MISSOURI
BOTANICAL
GARDEN

5727

Leitch & Corlies

DRUGGISTS

South West
Corner Fifth
and Market
Streets.

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GEORGE ENGELMANN PAPERS



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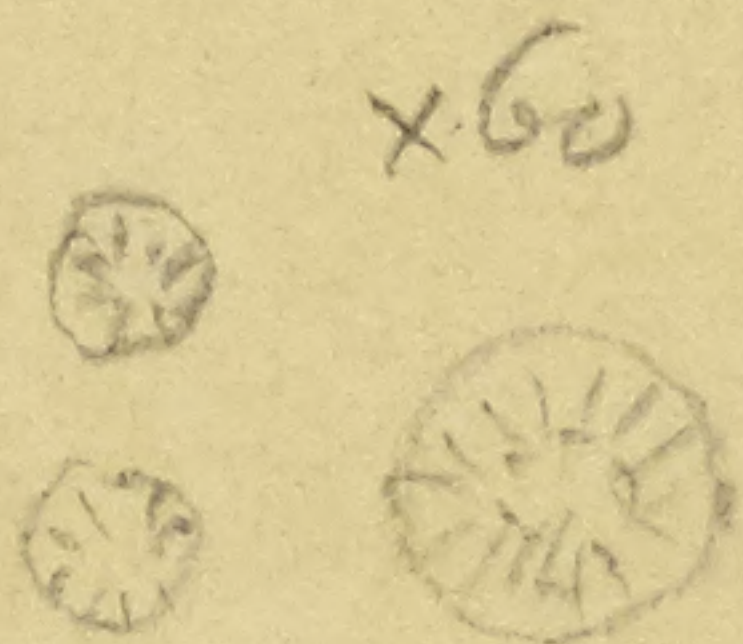


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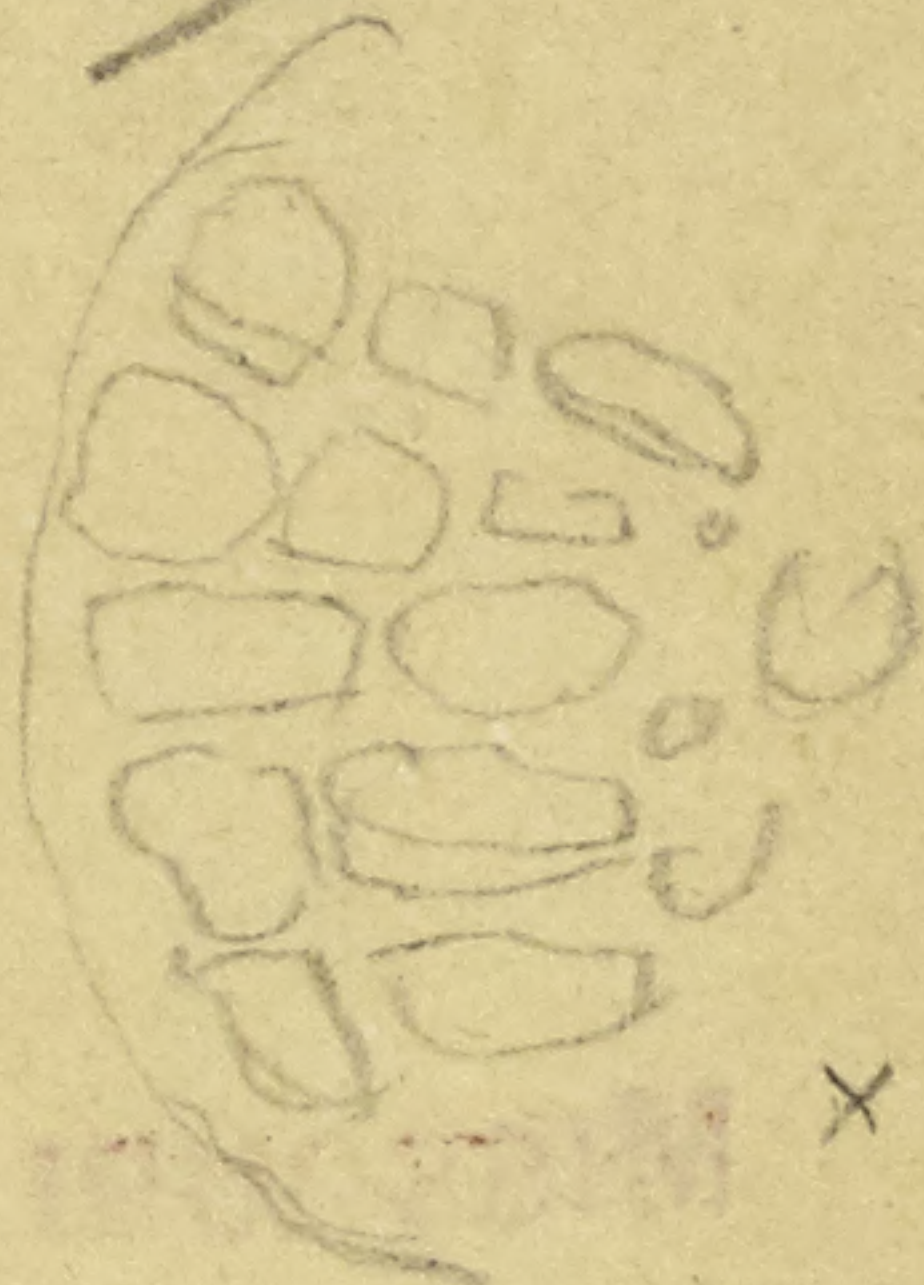
Carya olivacea

May 13 1876

East St Louis - no flowers observed
(Killed by March frosts?)



x280



x280

scales of lower side
of young leaflets mostly
uniform and very small
but visible with a good
loupe, mostly very
uniform, and all
0.05 mm in diameter

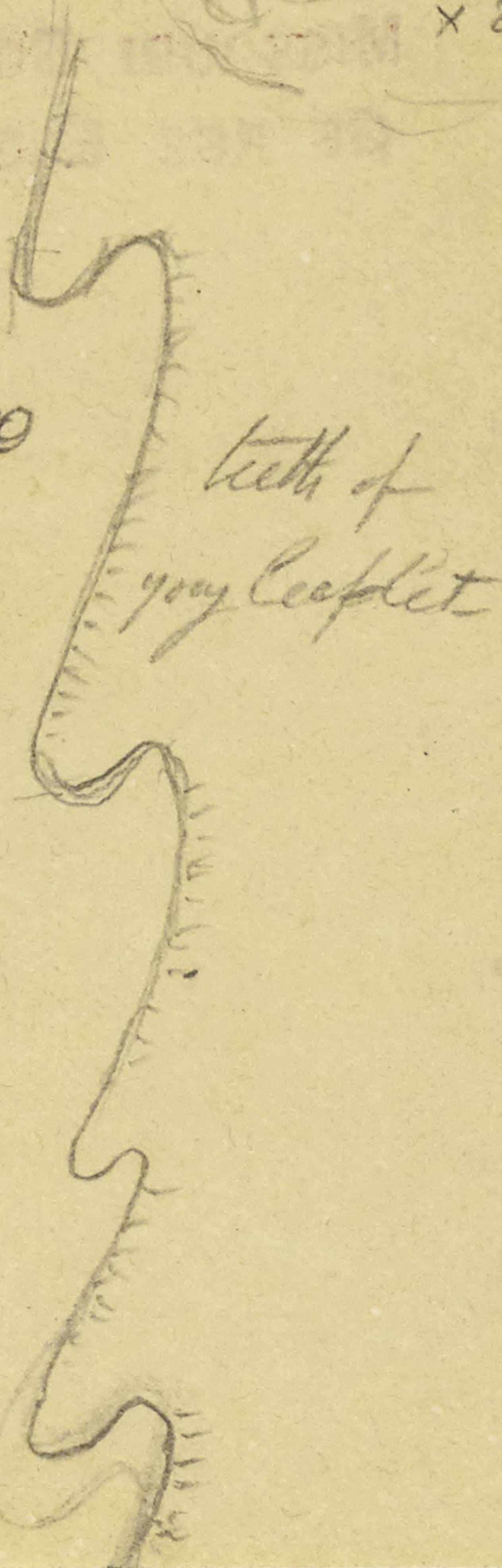
all the scales are
circular, not lobed



teeth of leaflet

x60

x10



teeth of
young leaflet



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cm

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cm

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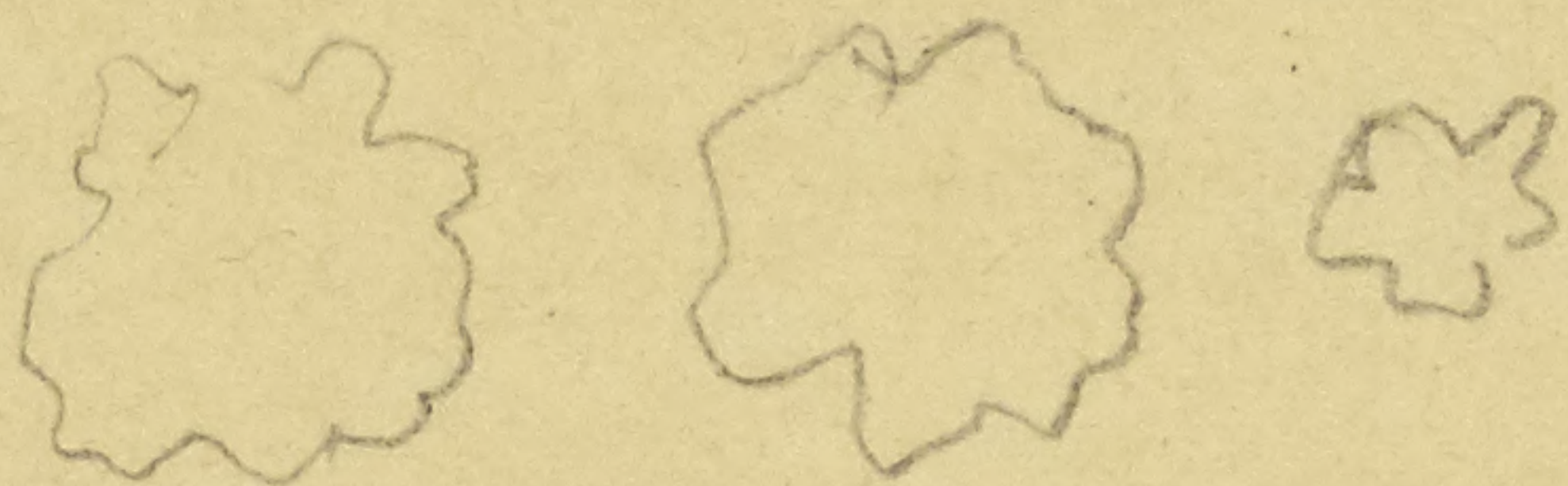


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GARDEN

Carya porriana

May 11 1876

5 leaved (shrub or tree)
a. Lafayette Av. St. Louis

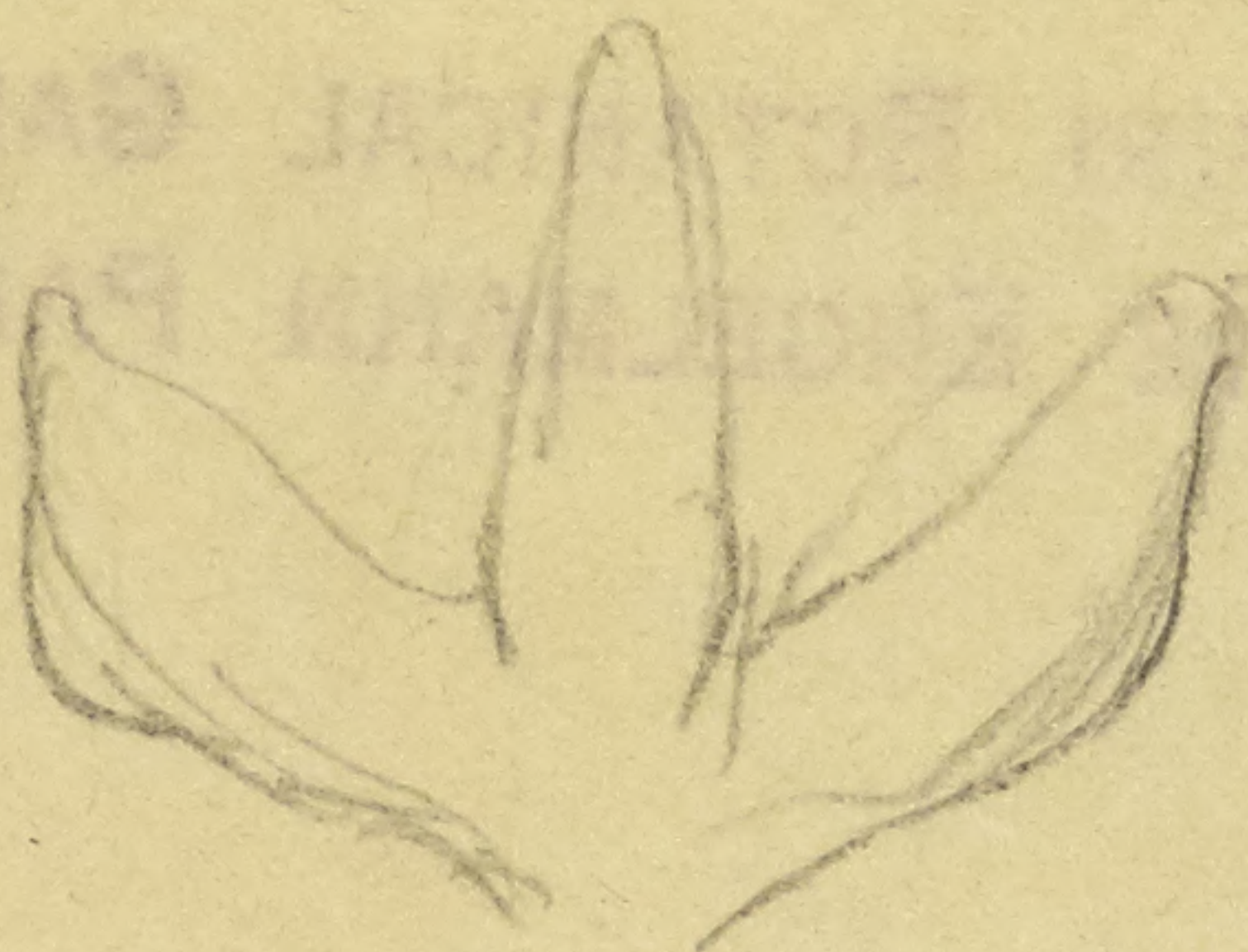


x 60



4 stamens

x 10



tooth x 10



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cm

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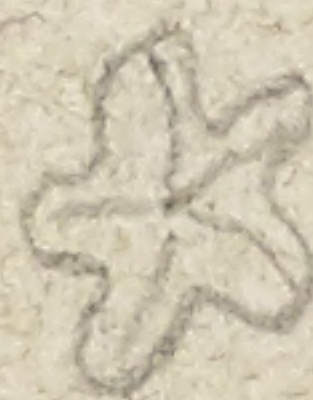
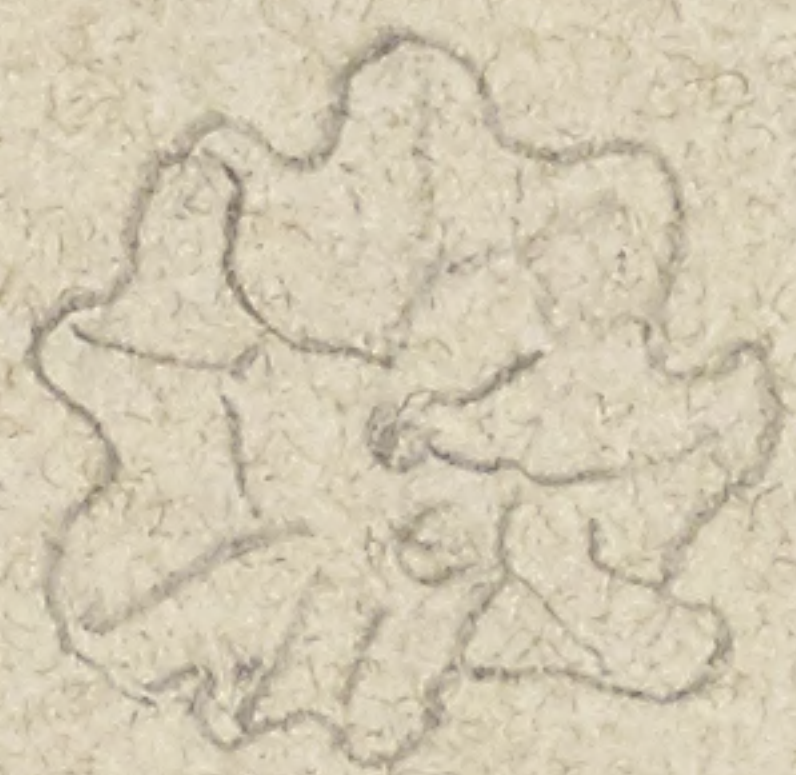
MISSOURI
BOTANICAL
GARDEN

Carya porcina

May 11 1876

C. Lafayette Av. St Louis

terminal leaflet broad ovate, subpetiolate, acuminate



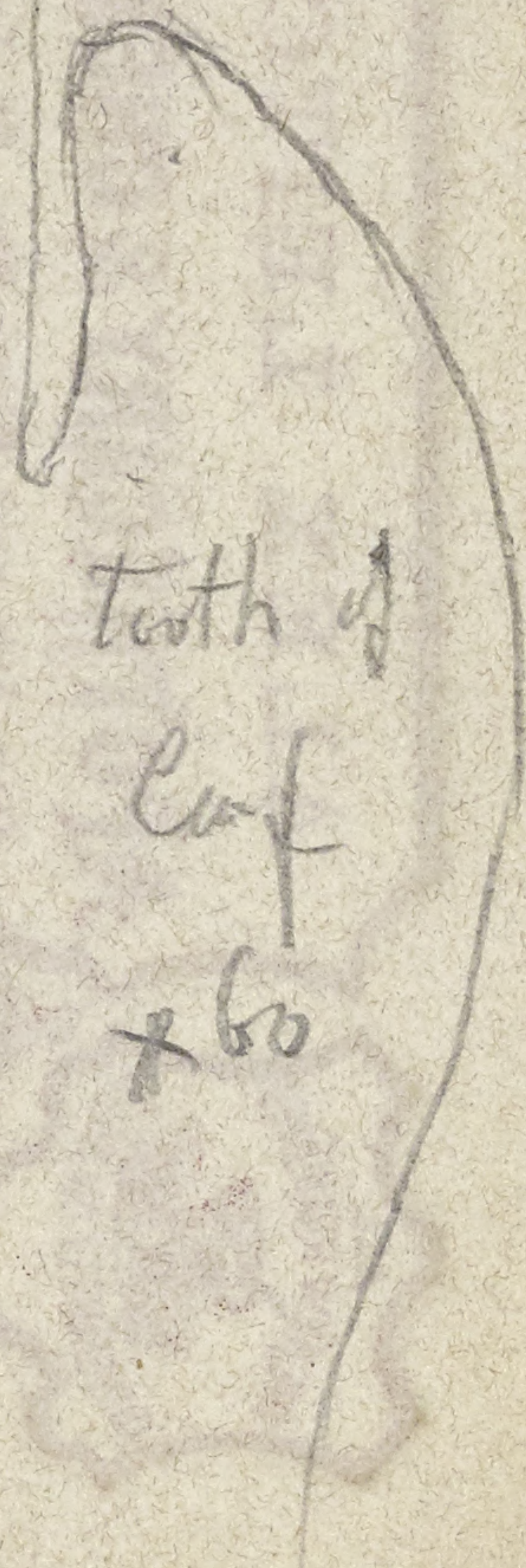
x60

scales abundant
on lower side of young leaf

x10



mostly 5 nerved



teeth of
leaf
x60



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN

5730

CHEMIST

ALEX. LEITCH,
APOTHECARY & CHEMIST,
Cor. 4th and Olive Sts., St. Louis.

ALL THE NEW REMEDIES
CONSTANTLY ON HAND

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cm

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GARDEN

1876

May 11 1876

Carya alba

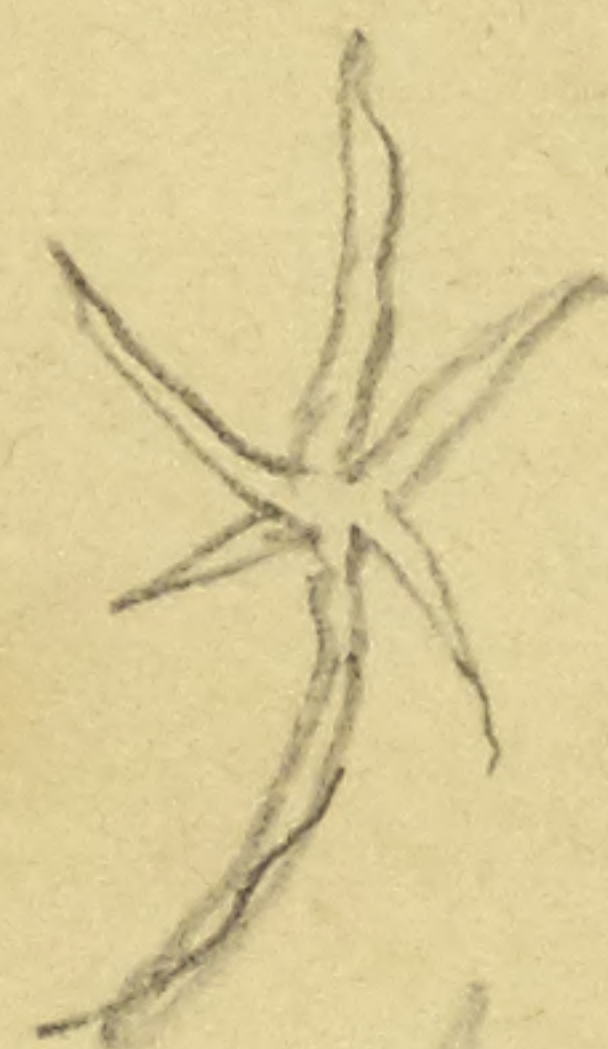
f. *Lafayetteana* M. L. Davis

Terminal leaflet pubescent

stellate



scale & hair on lower surface x60



tooth of leaf

x60

x10



hairy anther



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0 1 2 3 4 5 6 7 8 9 10

cm

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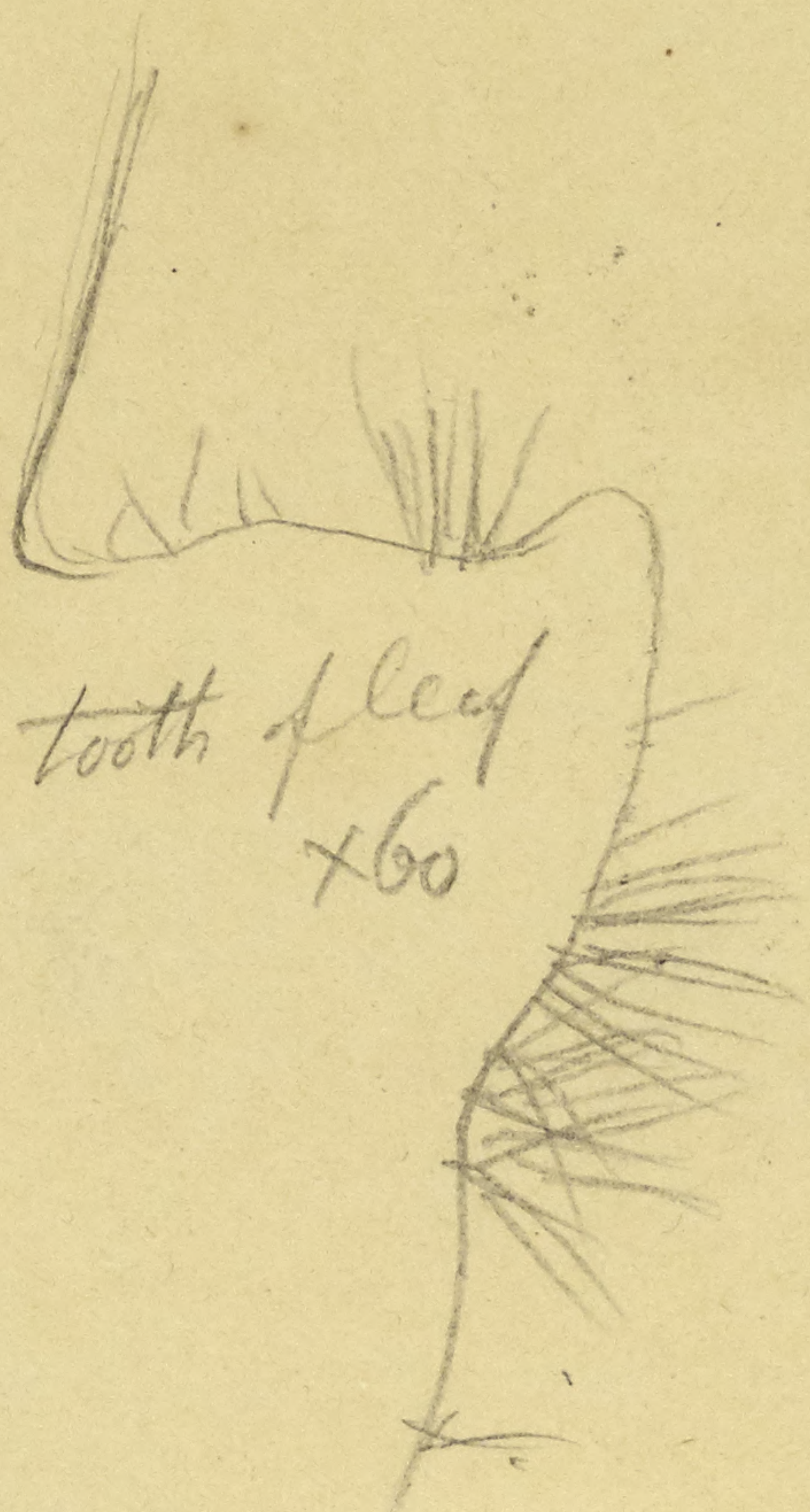
May 11 1876

Carya alba

e. Lafayette St. St. Louis -

terminal leaflet subsessile

✱ ✱ scales x60
small, very deciduous



4 or sometimes 5
anthers



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cm

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GARDEN

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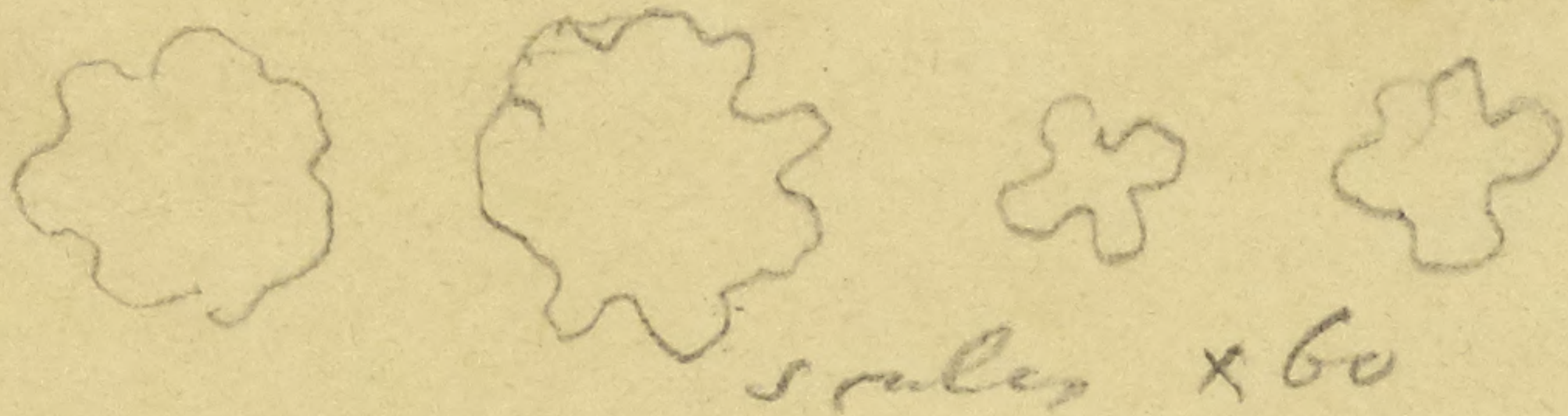
MISSOURI
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May 11 1876

Larva porrina

O. Lafayette Ave. Illinois

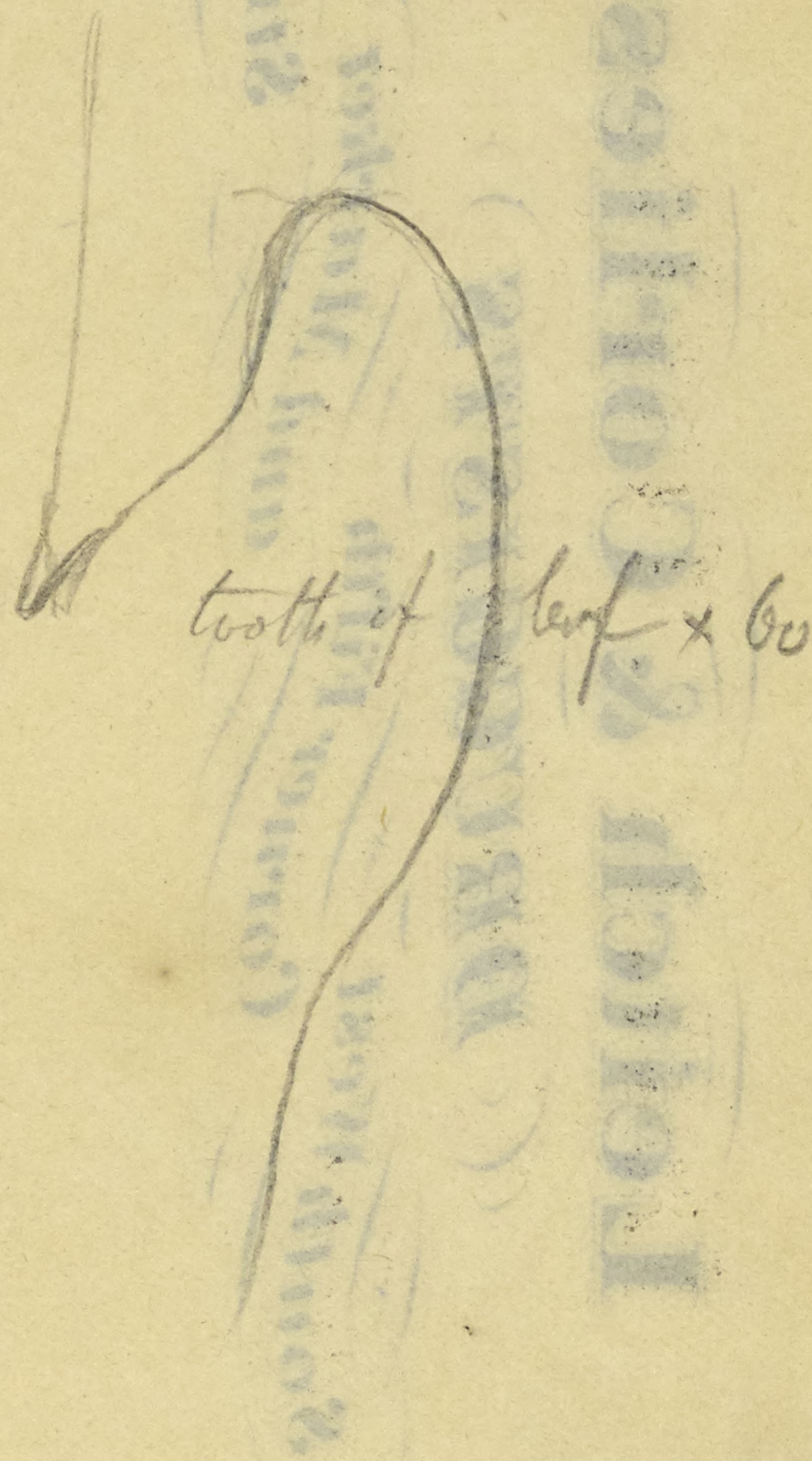
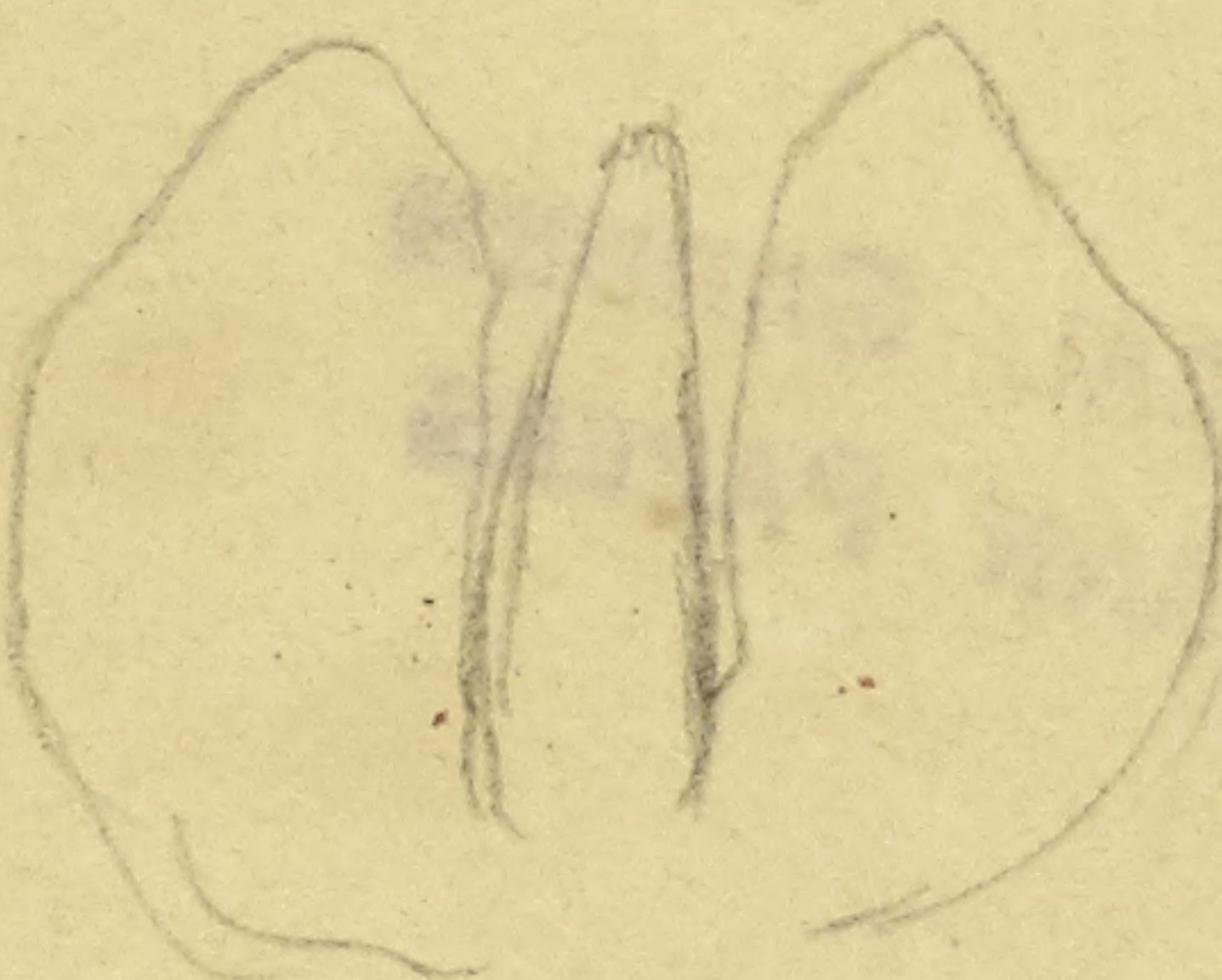
terminal leaflets elongate - subpetioled



scales x 60



x 10



tooth of leaf x 60



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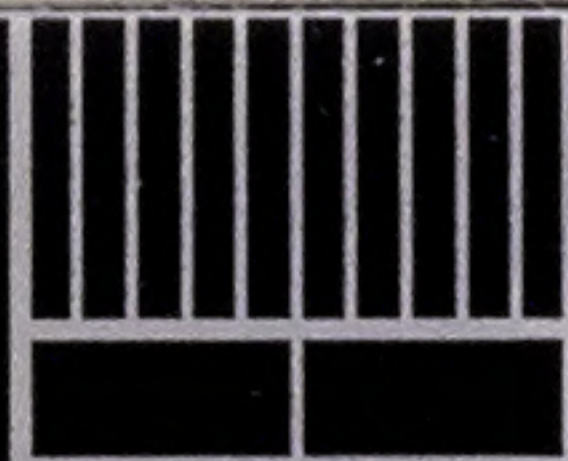
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and Market
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GEORGE ENGELMANN PAPERS



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cm

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GARDEN

Carya porriana

11 May 1876

NB Lafayette Avenue, St Louis

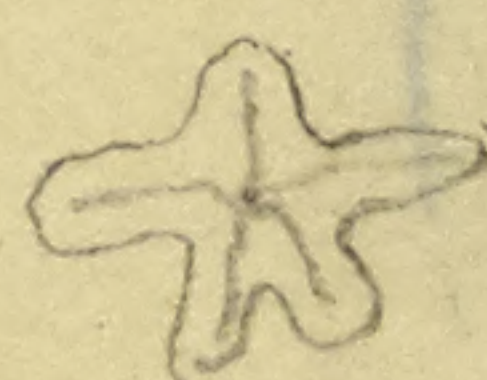
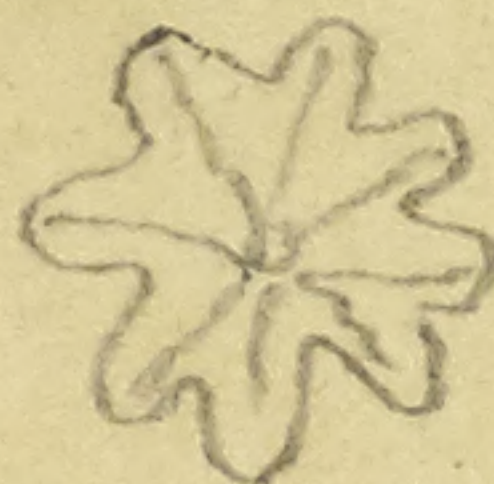
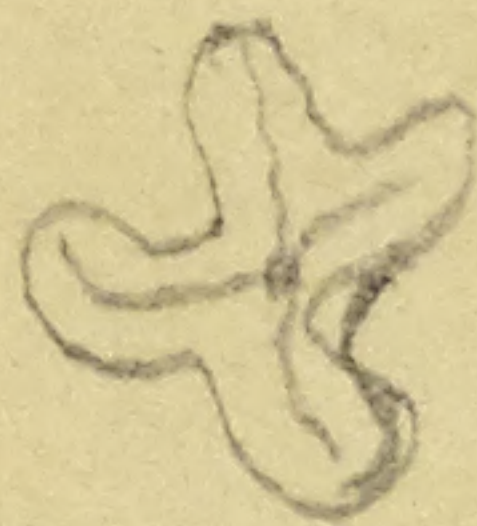
very often 5-leaved

scales on under side
of leaf

same is transmitted light



scales on the under side
of leaves x60



x60

very often 4 rayed



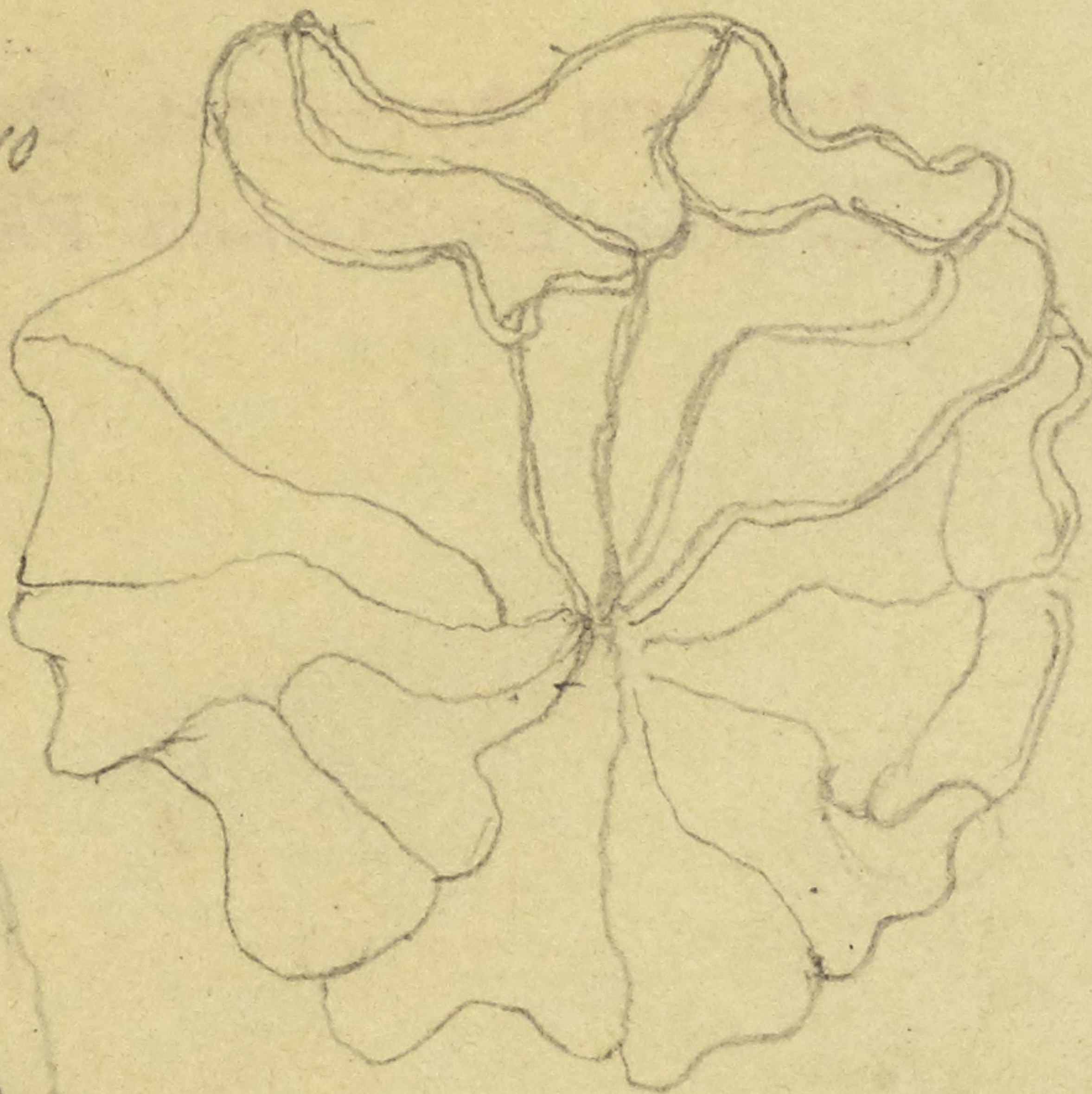
larger ones
consisting of many
cells

x280

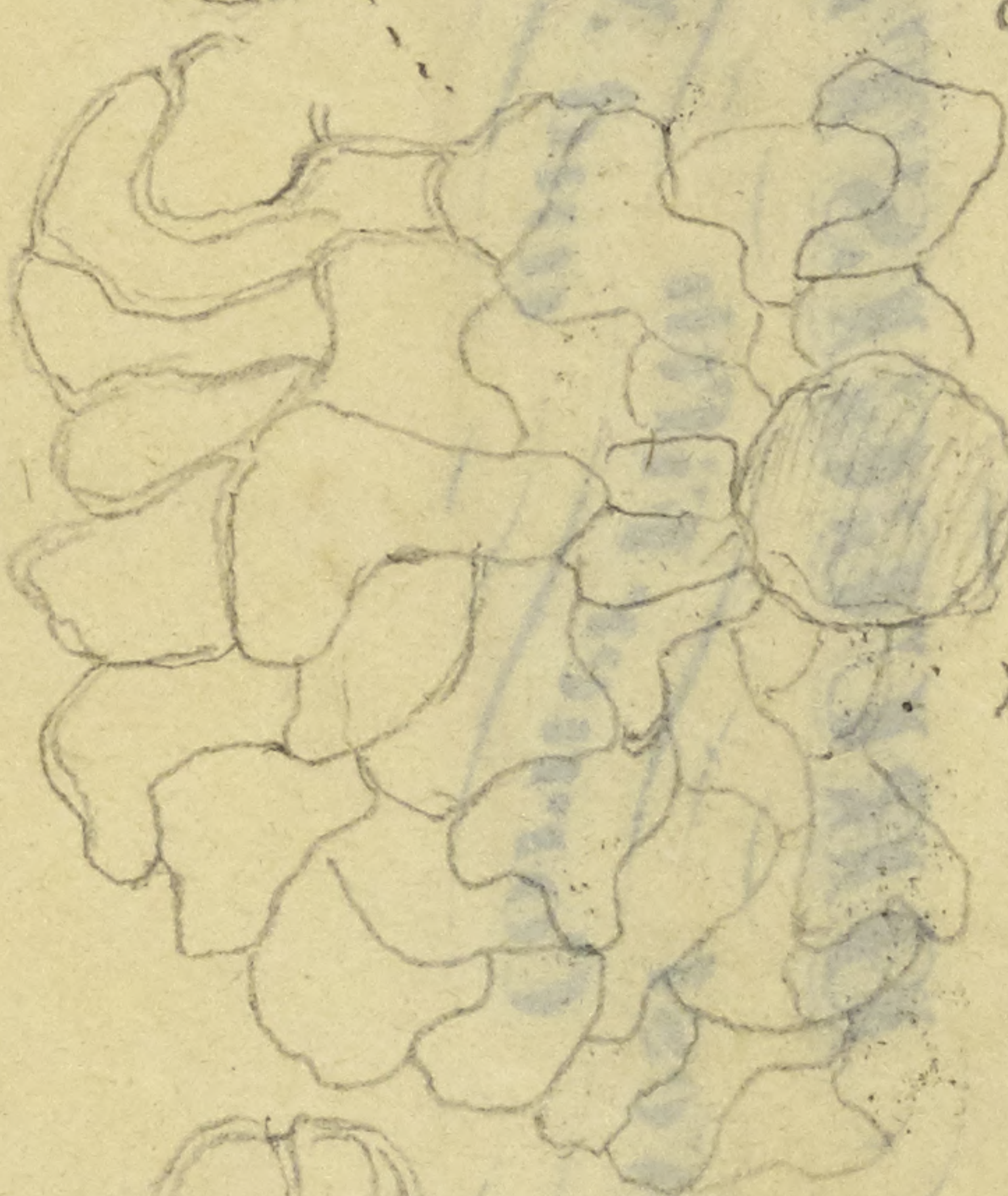
x10



x10

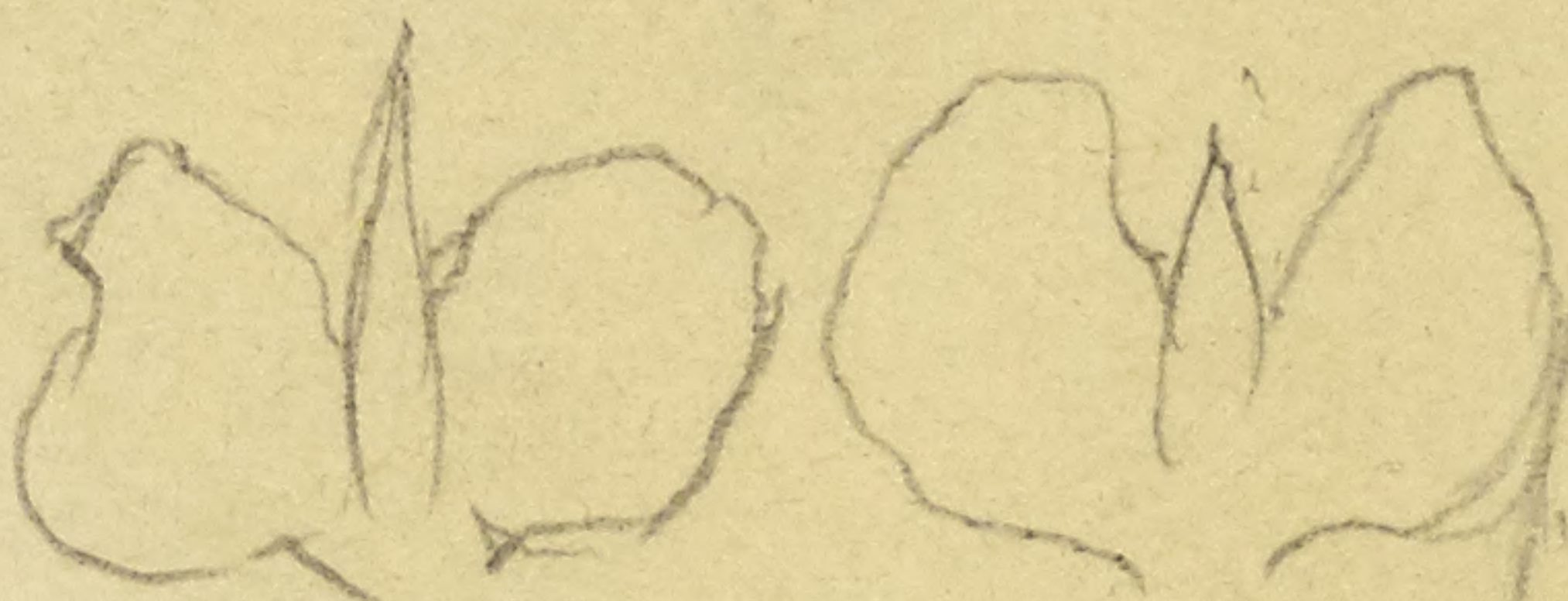


often 6 anthers - very hairy
lower bract shorter than
lateral, or longer



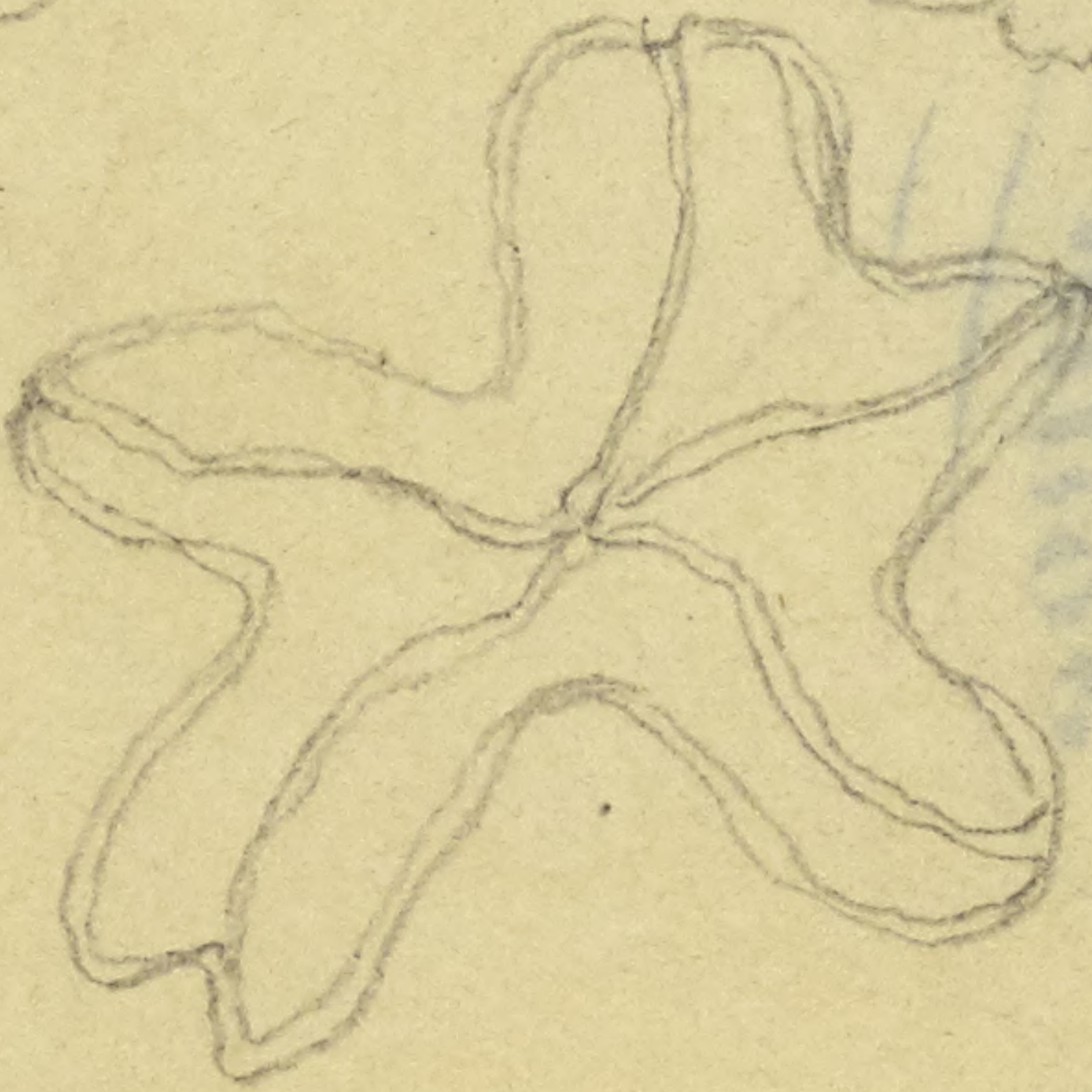
part of
same

x280



tooth of leaf

x60



x280



0 1 2 3 4 5 6 7 8 9 10

cm

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cm

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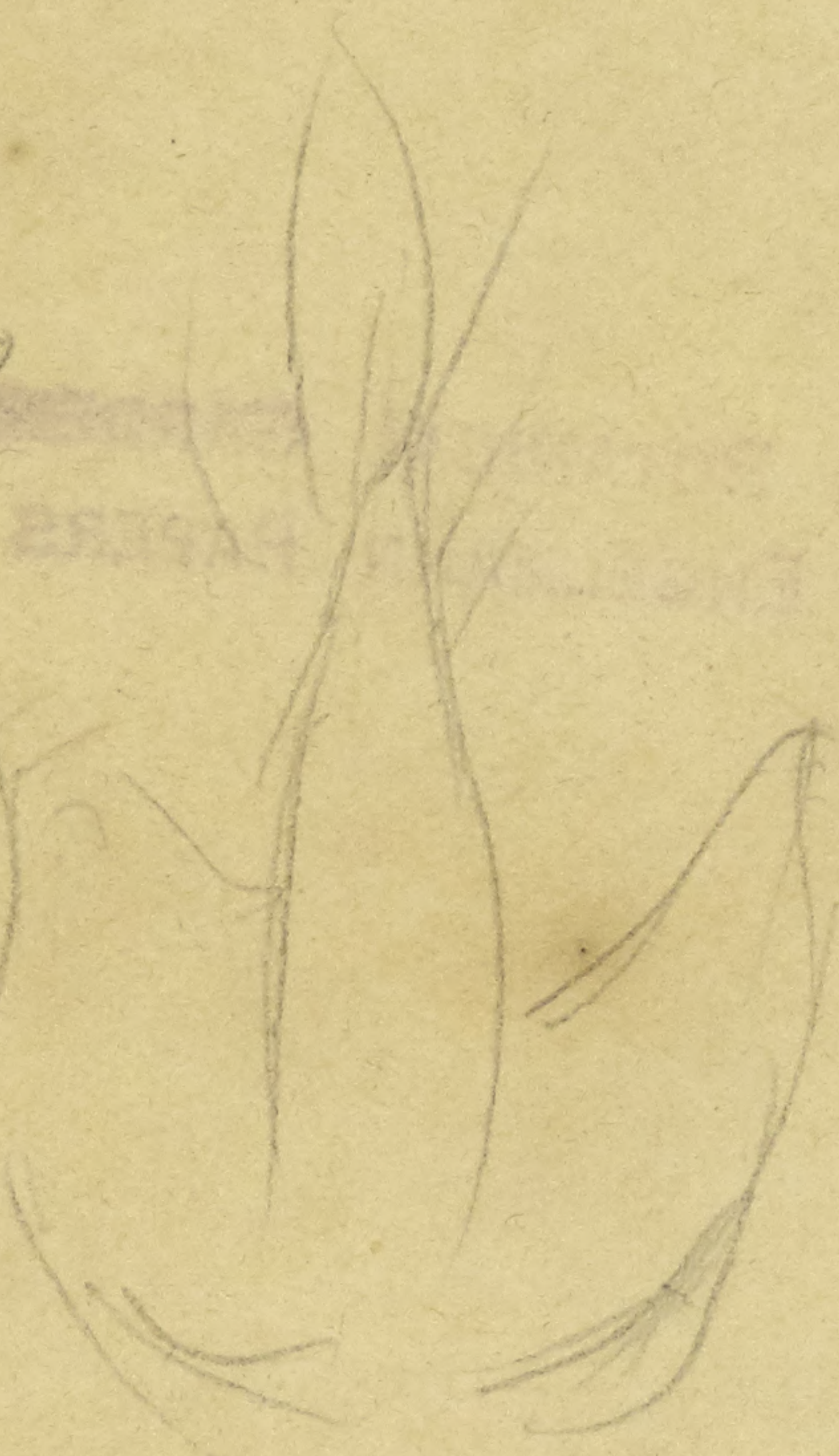
C. selente
Allenton 14 May 1876.

May 16 1876
Letterman

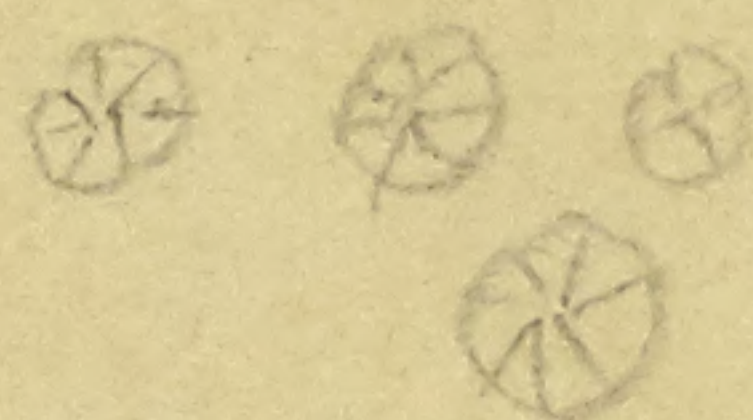


x10

4 anthers

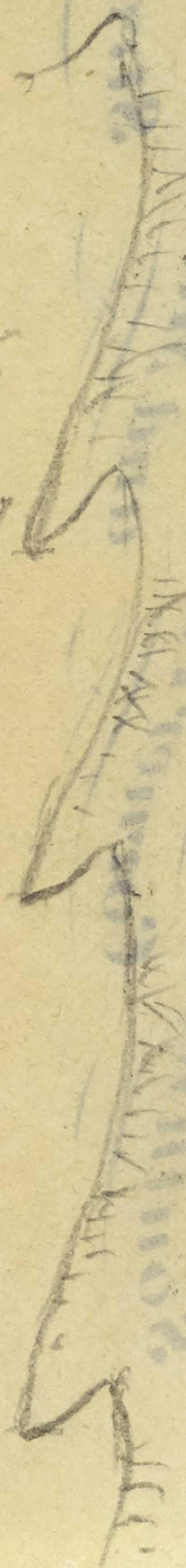


x60



x10

scales of lower
s. of leaf
small asperity



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cm

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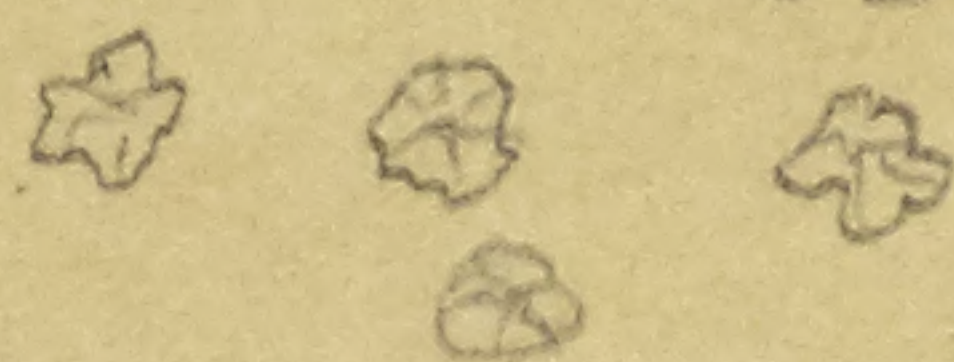
C. tomentosa

May 16 1876

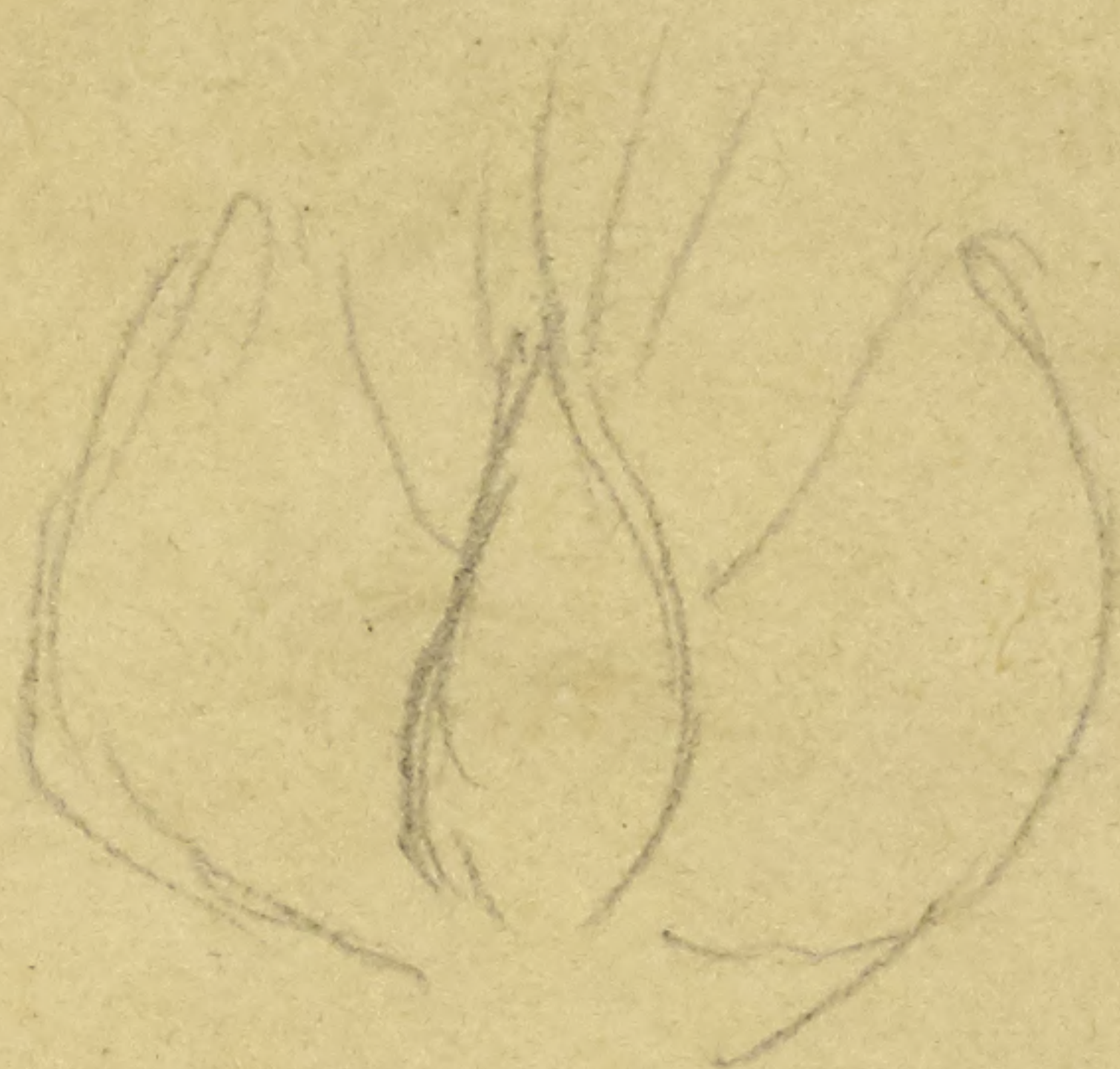
all to 14/5 76

Lettern

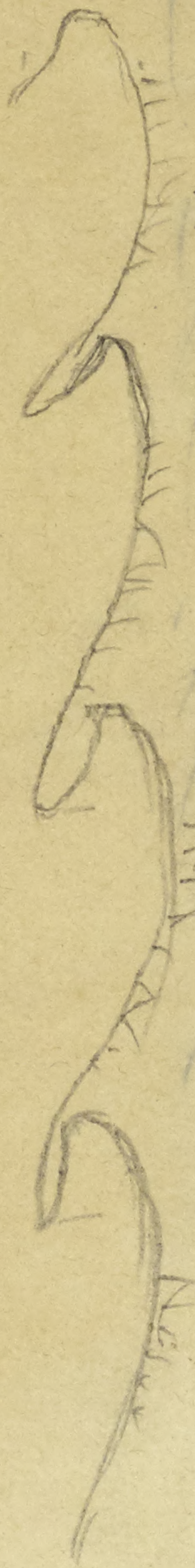
x60



scales of lower side
small, angular,
sparse



border bract as
long or shorter
than lateral



x10



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cm

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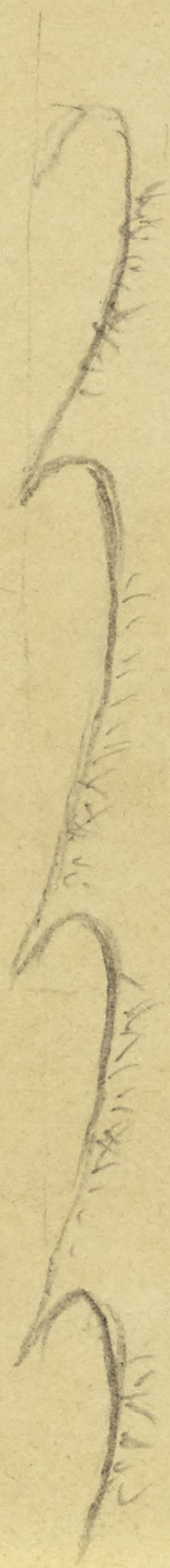
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C. Tomentosa
Letterson, Allenton 14 May.

May 16 1876



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Streets.

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GARDEN

May 18 1876

C. porrina

allentun 14 May, Letterman

Long Boat

x10



x60



scals on lower side.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS
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Streets

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cm

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Carya amara

May 15th 1876

Atlanta May 14th

x10

x10

x10

margin of anther,
older
leaf

x10

x10

3 to 4 anthers
bracts almost glabrous

3 anthers

4 anthers in 2 pairs

set of petiole
of lower leaf
x10

set of petiole
of upper leaf
x10

x60 scales
on lower side

in some species all scales
are large and abundant
in others they are smaller
irregular
and sparing

x60

margin of leaf



0 1 2 3 4 5 6 7 8 9 10

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